

Application No. 09/407,751

RXSD 1000-1

In the claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-38. (canceled).

39. (currently amended) A method for producing customized audio data, comprising: providing an a graphical user interface for access to presenting a catalog of audio data products by which a customer is able to select an audio data product;

receiving a request for a particular audio data product from the catalog of audio data products product from a, wherein the request is made by the customer via the graphical user interface;

receiving a customer hearing profile associated with the customer from a machine readable registry of customer hearing profiles;

obtaining the particular audio data product; and

associating the particular audio data product with the customer hearing profile for use in production of a customized audio data product, producing a customized audio data product in response to the particular audio data product and the associated customer hearing profile, and delivering the customized audio data product for use by the customer.

40. (currently amended) The method of claim 39, wherein said delivering includes including;

~~—producing the customized audio data product in response to the audio data product and the customer hearing profile, and transmitting the customized audio data product to a remote site.~~

41. (currently amended) The method of claim 39, wherein said delivering includes including;

~~—producing the customized audio data product in response to the audio data product and the customer hearing profile, and storing the customized audio data product on a portable machine readable medium.~~

42-43. (canceled).

Application No. 09/407,751

RXSD 1000-1

44. (original) The method of claim 39, wherein the customer hearing profile comprises coefficients of a transfer function to transform the audio data product according a psycho-acoustic characteristic of a customer.

45. (original) The method of claim 39, wherein the customer hearing profile comprises an identifier of transfer function to transform the audio data product according a hearing characteristic of a customer.

46. (original) The method of claim 39, wherein the customer hearing profile comprises an identifier of a transfer function and coefficients of the identified transfer function to transform the audio data product according a hearing characteristic of a customer.

47. (currently amended) The method of claim 39, including providing a wherein the machine readable registry of comprises customer hearing profiles corresponding to registered customers of the ~~audio data product~~, and further including reading, modifying and writing particular customer hearing profiles in the plurality to maintain the registry.

48. (currently amended) The method of claim 39, wherein the graphical user interface for access to the audio data product comprises a network interface.

49. (canceled).

50. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise pre-recorded audio tracks.

51. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise pre-recorded audio music tracks.

52. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise live audio music streams.

Application No. 09/407,751

RXSID 1000-1

53. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise pre-recorded audio voice tracks.

54. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise live audio voice streams.

55. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise live audio telephone data.

56. (canceled).

57. (currently amended) The method of claim 39, ~~including providing wherein the~~ graphical user interface includes tools by which a user selects an instance of the audio data product, and issues a request for the selected instance.

58. (currently amended) The method of claim 39, including providing ~~a source of a~~ plurality of ~~customer hearing profiles~~, and tools by which a user adds a customer hearing profile to the registry ~~plurality of customer hearing profiles~~.

59. (currently amended) The method of claim 39, including providing ~~a source of a~~ plurality of ~~customer hearing profiles~~, and tools by which a user modifies a particular customer hearing profile in the registry ~~plurality of customer hearing profiles~~.

60. (original) The method of claim 39, including providing logic to produce information about billing for requested audio data products for customers.

61. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise a digitally encoded product.

62. (currently amended) The method of claim 39, wherein the catalog of audio data ~~product comprises~~ products comprise an analog encoded product.

Application No. 09/407,751

RXSD 1000-1

63. (currently amended) The method of claim 39, wherein the catalog of audio data product comprises products comprise data encoded according to a particular format suitable for playback by audio devices adapted for the particular format, and the customized audio data product comprises data encoded according to the particular format.

64. (currently amended) The method of claim 39, ~~including providing a source of a plurality of customer hearing profiles~~, and wherein a customer hearing profile in the registry plurality of customer hearing profiles includes a value indicating an audio device on which the customized audio data product is to be played.

65. (original) The method of claim 39, wherein the customer hearing profile includes a value indicating a hearing characteristic type of a customer for whom the customized audio data product is to be played.

66. (original) The method of claim 39, wherein the customer hearing profile includes a specification of psycho-acoustic characteristics of a customer for whom the customized audio data product is to be played.

67. (original) The method of claim 39, wherein the customer hearing profile includes an audiogram of a customer for whom the customized audio data product is to be played.

68. (original) The method of claim 39, wherein the customer hearing profile includes software defining a transfer function for producing the customized audio data product.

69. (currently amended) The method of claim 39, including ~~providing a source of a plurality of customer hearing profiles~~, accepting data concerning a customer for whom the customized audio data product is to be played, and producing a customer hearing profile for registry plurality of customer hearing profiles in response to the accepted data.

70. (currently amended) The method of claim 39, ~~including providing a source of a plurality of customer hearing profiles~~, accepting data via a network interface concerning a customer for whom the customized audio data product is to be played, and producing a customer

Application No. 09/407,751

RXSD 1000-1

hearing profile for the registry ~~plurality of customer hearing profiles~~ in response to the accepted data.

71. (currently amended) The method of claim 39, including ~~providing a source of a plurality of customer hearing profiles~~, accepting data via a network interface, concerning a customer for whom the customized audio data product is to be played, and modifying a customer hearing profile in the registry ~~plurality of customer hearing profiles~~ in response to the accepted data.

72. (currently amended) The method of claim 39, including providing a source of a plurality of customer hearing profiles, providing an interface accessible to a user via a network interface to accept data concerning a customer for whom the customized audio data product is to be played, and producing a customer hearing profile for the registry ~~plurality of customer hearing profiles~~ in response to the accepted data.

73. (currently amended) The method of claim 39, including ~~providing a source of a plurality of customer hearing profiles~~, providing an interface accessible to a user via a network interface to accept data concerning a customer for whom the customized audio data product is to be played, and modifying a customer hearing profile in registry ~~plurality of customer hearing profiles~~ in response to the accepted data.

74-132. (canceled).

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